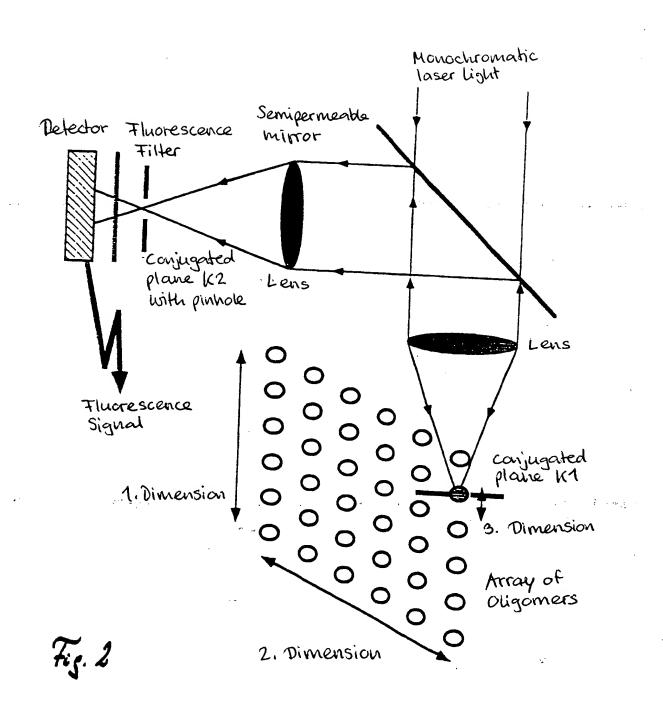


Fig. 1



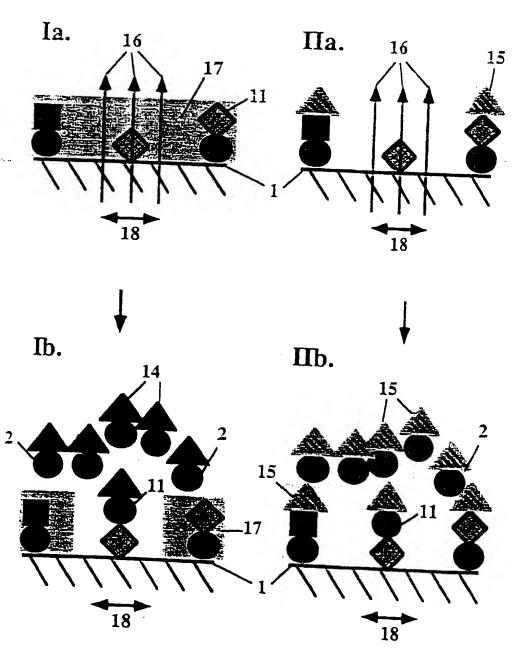
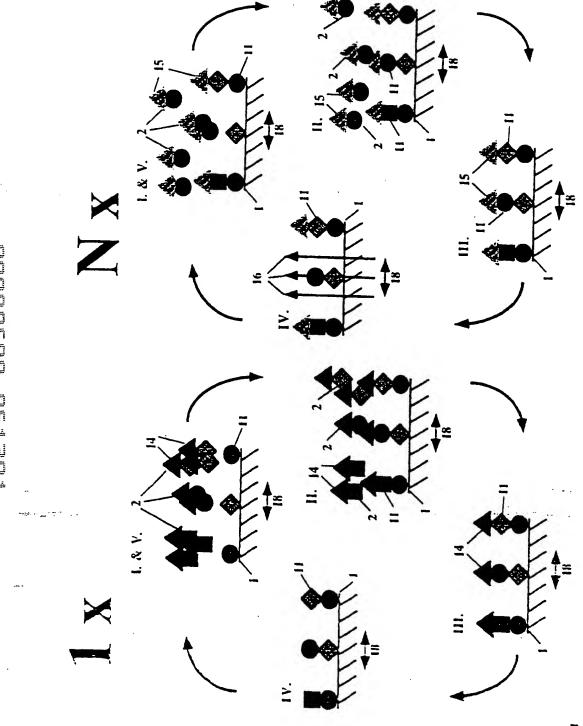
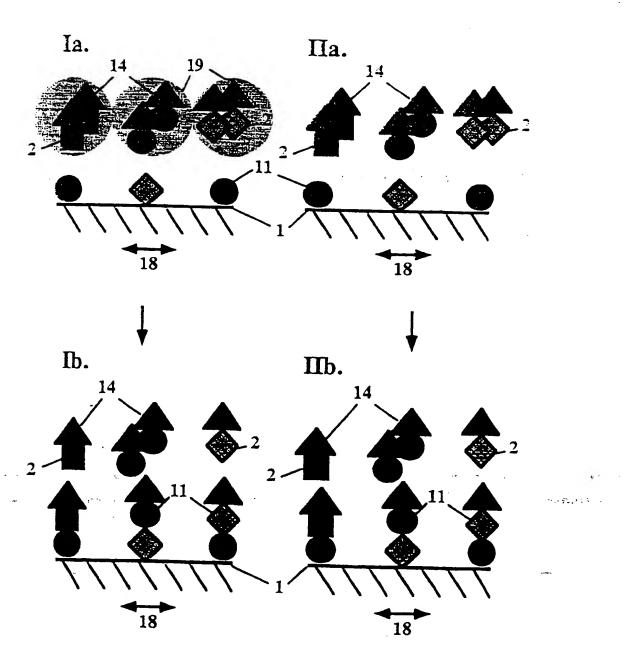


Fig. 3



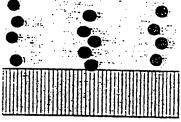
Contont of Luck

死力



Fis. 5

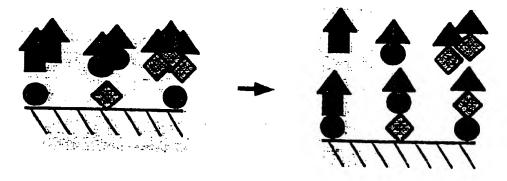
Demand on spotting of color



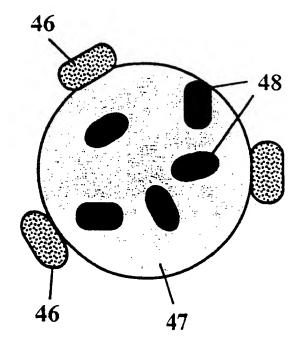


- Low diffusion rate of the large chromphors
- Rapidly evaporating solvent
- Absorbent paper

Demand on spotting of monomers for the combinatorial synthesis



- High diffusion rate of small monomers
- Very slowly evaporating solvent



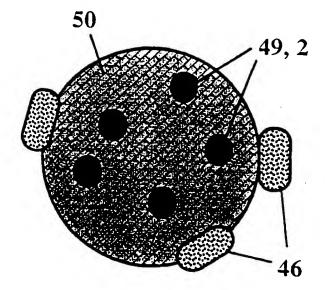
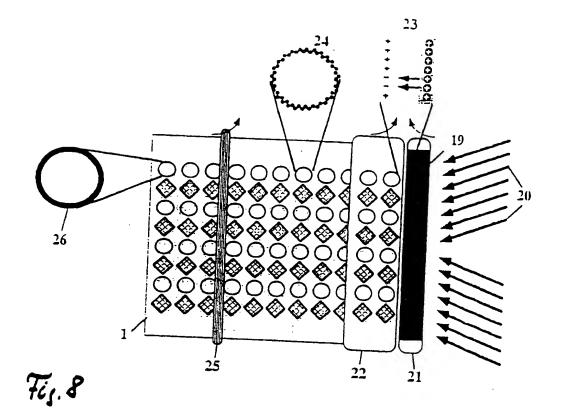
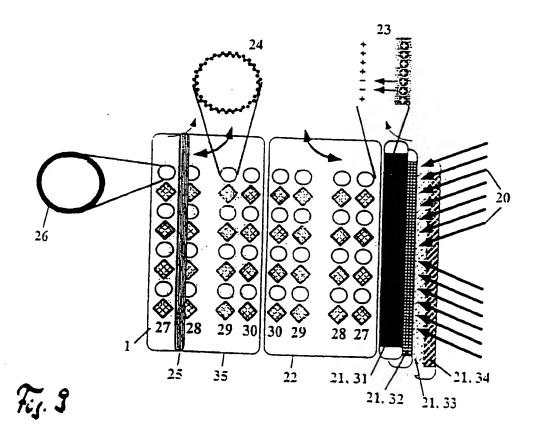
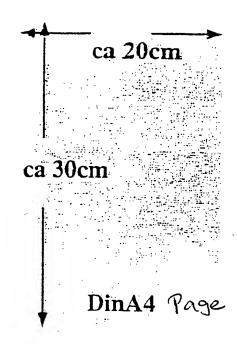


Fig. 7



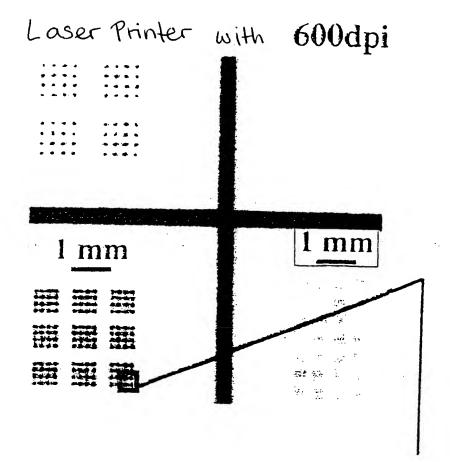




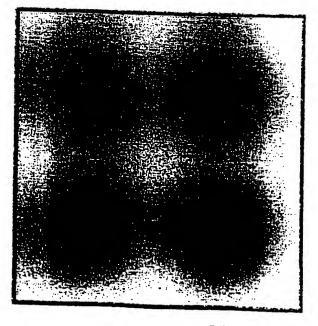
600 dpi = 600 dots per inch 600 dpi = ca 1 dot all 40μm 1.200 dpi = ca 1 dot all 20μm 2.400 dpi = ca 1 dot all 10μm 4.800 dpi = ca 1 dot all 5μm

## Dots per DinA4 Page:

600 dpi = ca 5.000 x 7.500 = ca 30 millions dots 1.200 dpi = ca 10.000 x 15.000 = ca 125 millions dots 2.400 dpi = ca 20.000 x 30.000 = ca 500 millions dots4.800 dpi = ca 40.000 x 60.000 = ca 2 milliards dots

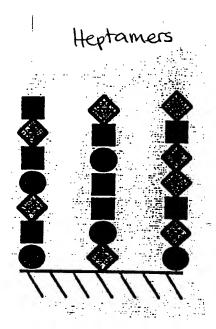


Scanner



 $50~\mu \mathrm{m}$ 

Fig. 11



 $20^1 = 20$  different amino acids

 $20^2 = 400$  different dipeptides

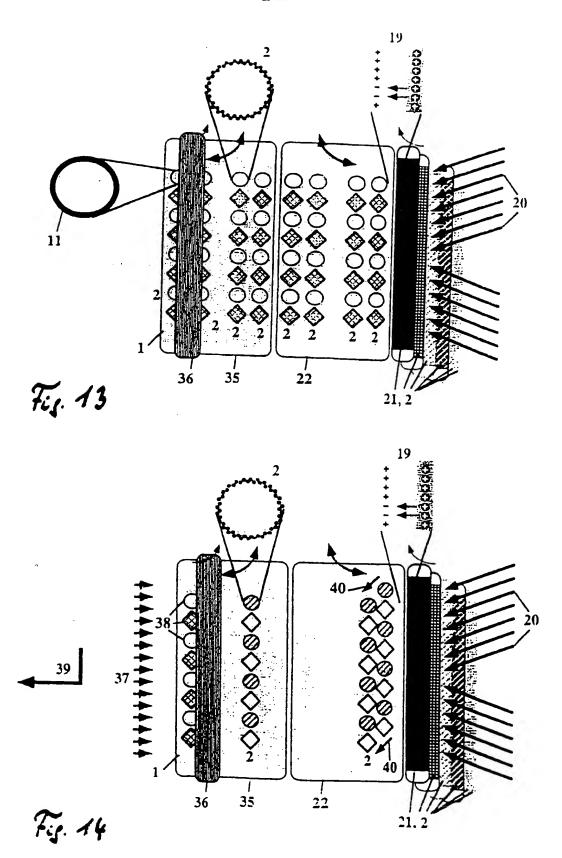
 $20^3 = 8.000$  different tripeptides

 $20^4 = 160.000$  different tetrapephides

 $20^5 = 3,2$  millions different pentapeptides

206 = 64 millions different hexapeptides

 $20^7 = 1.280$  millions different heptapeptides

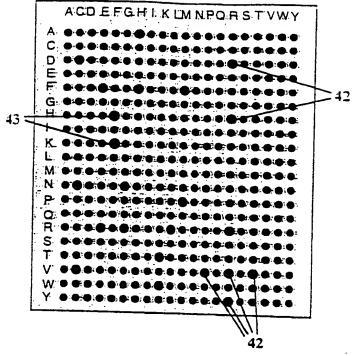


NH2 X X N N N X COOH

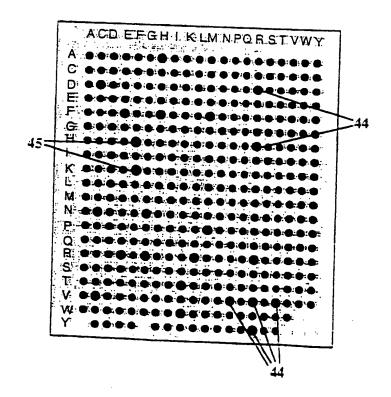
Complete pentapeptide library:
= 205 = 3/2 millions different peptide

NH2 X X N X X N X COOH complete hexapeptide library: =206 = 64 millions different peptide

N= Set amino acid position X= Mixture of 20 different amino acid

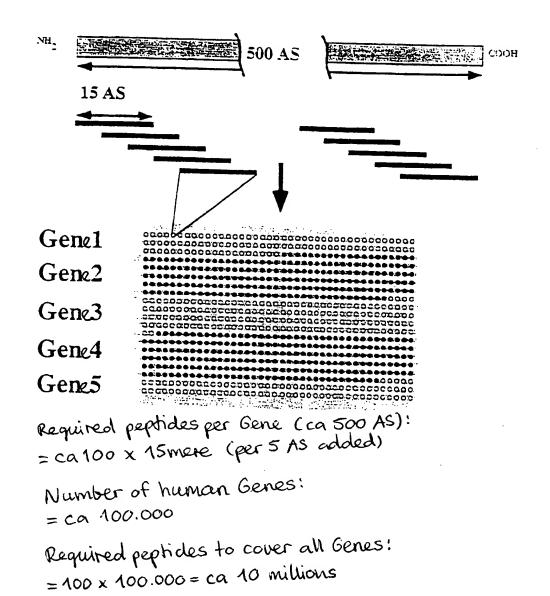


Fcs. 16



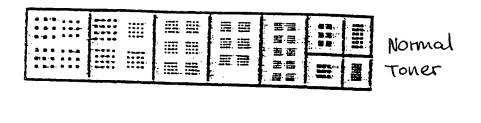
7.s. 18

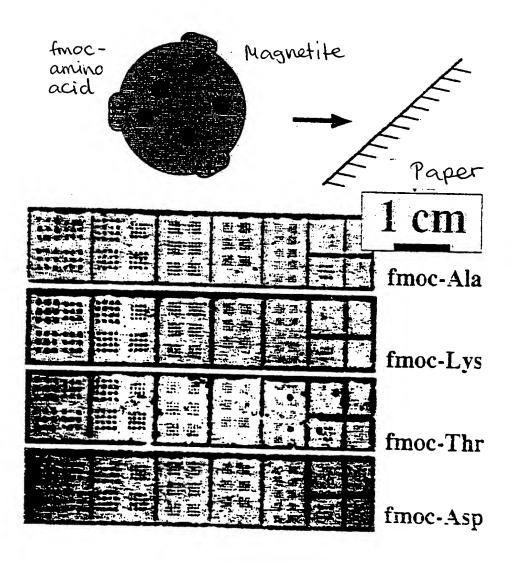
## 15/20



Fs. 17

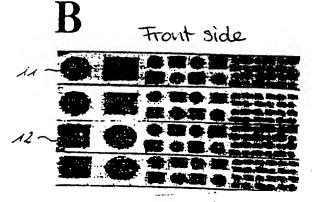
## 16/20



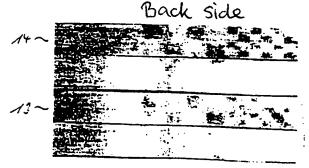


Frs. 13

syntheticed peptides Asp Asp Tyr ~ 6  $Asp \sim 1$ Glu-2 Lys ~ ? Glu~3  $Asp \sim P$ Thr 4 Asp ~ 9 Thr~5 Asp~10 Asp Asp Lys Lys

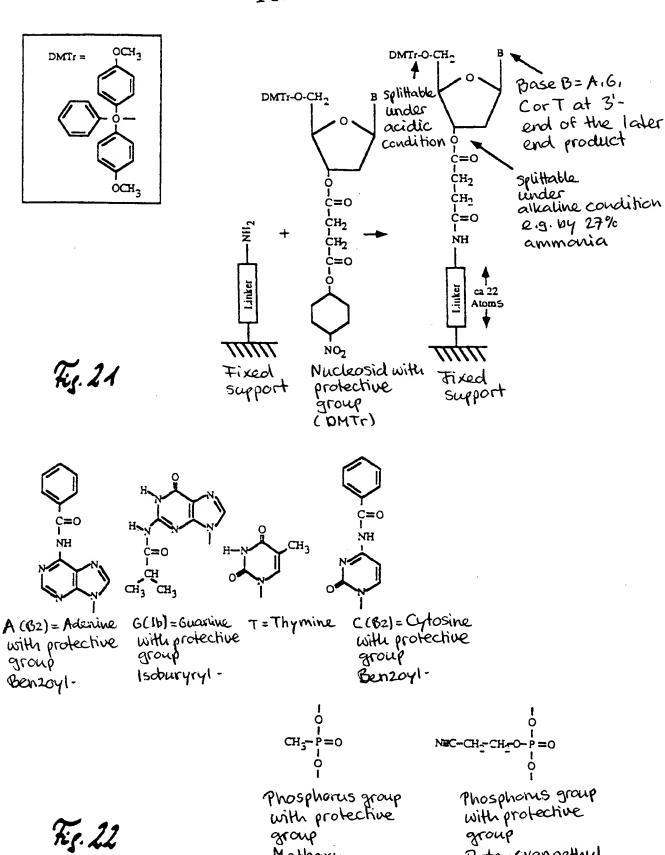


anti-FLA6 antibody anti-Aktin antibody anti-FLA6 antibody anti-Aktin antibody



anti-FLAG antibody anti-Aktin antibody anti-FLAG antibody anti-Aktin antibody

Fig. 20



Methoxy -

Beta-cyanoethyl

Fig. 24

## 19/20

